Vulgar Notes for this year 1687.

Golden Number 16
Circle of the Sun 16
Epact 26
Dominical Letter B

AN ALMANACK

For the YEAR of Christian Account 1687.
Particularly respecting the Meridian and Latitude of *Burlington*, but may indifferently serve all places adjacent

By Daniel Leeds, *Student in Agriculture.*

No man is born unto himself alone,
Who lives unto himself he lives to none.

The blaze of Honour, Fortunes sweet Excess,
Do undeserve the Name of Happiness.

Place shews the man, and he whom honour mends
He to a worthy generous Spirit tends.

The xi. Month, *January.*

New Moon the 3 day at 3 Aft.
First Quar. the 10 day at 7 Morn.
Full Moon the 18 day at 7 Morn.
Last Quar. the 26 day at 8 Morn.

			☽	☽'s
1	7	*Circumcision.*	♐	10 18
2	1	Sun ris. at 7 10	♑	11 6
3	2	Sets at 4 44.	♑	11 54
4	3		♒	0 A42
5	4		♒	1 30
6	5		♒	2 18
7	6		♓	3 6
8	7		♓	3 54
9	1	Day 9 h. & half.	♈	4 48
10	2		♈	5 37
11	3		♉	6 24
12	4		♉	7 14
13	5		♉	8 0
14	6		♊	8 55
15	7		♊	9 42
16	1	Sun ris. at 7 6.	♋	10 29
17	2	Sets at 4 54	♋	11 26
18	3		♋	0 M13
19	4		♌	0 59
20	5		♌	1 47
11	6		♍	2 37
22	7		♍	3 26
23	1	*Paul's* Convert. Day 10 hours.	♎	4 17
24	2		♎	5 4
25	3		♏	5 51
26	4		♏	6 47
27	5		♐	7 33
28	6		♐	8 20
29	7		♐	9 9
30	1	Sun ris. at 6 48	♑	9 54
31	2	Sets at 5 12.	♑	10 51

The xii Month, *February*

New Moon the 2 day at 1 morn.
First Quar. the 8day 7 at night.
Full Moon the 17 day at 2 morn.
Last Quar. the 23 day at 6 Morn.

M. D.	W. D.	Remarka. days.	☽	☽'s
		☉ Ris. & setting	Si.	South
			♒	11 37
1			♒	0 A22
2	4	Purific. of *Mary*	♒	0 A22
3	5		♓	1 11
4	6	Sun ris. at 6 41	♓	1 58
5	7	Sets at 5 19	♓	2 46
6	1	Shrove tide.	♈	3 34
7	2		♈	4 22
8	3		♉	5 10
9	4	Da. 10 h. & half	♉	5 58
10	5		♊	6 46
11	6		♊	7 34
12	7		♊	8 22
13	1		♊	9 10
14	2		♋	9 58
15	3		♋	10 46
16	4		♋	11 34
17	5	Sun rise at 6 26	♌	0 M20
18	6	Sets at 5 34	♌	1 10
19	7		♍	2 0
20	1	Day 11 hours,	♍	2 50
21	2		♍	3 40
22	3		♎	4 30
23	4		♎	5 20
24	5	Matthias.	♏	6 10
25	6		♐	7 00
26	7		♐	7 50
27	1		♑	8 40
28	2		♒	9 30

The i. Month, *March.*

New Moon the 3 da. at 11 Morn.
First Quarter 10 day at 4 Aft.
Full Moon 18 day 7 at night
First Quarter 26 day at 6 Morn.

			☽	☽'s
1	3	Sun ris. at 6 12.	♒	10 20
2	4	Sets at 5 48.	♓	11 20
3	5		♈	0 A 2
4	6		♈	0 49
5	7		♉	1 30
6	1		♉	2 23
7	2		♊	3 10
8	3		♊	3 57
9	4	*Vernal Equinox.*	♋	4 44
1	5	day & ni. equal	♋	5 30
11	6		♌	6 18
12	7		♌	7 5
13	1		♌	7 52
14	2		♍	8 39
15	3		♍	9 26
16	4		♎	10 13
17	5		♎	11 0
18	6		♎	11 46
19	7		♏	0 M37
20	1	Sun ris. at 5 47.	♏	1 28
21	2	Sets at 6 13.	♐	2 19
22	3		♐	3 0
23	4		♐	3 51
24	5	Da. 12 h. & half.	♑	4 42
25	6	Annunsi. *Mary.*	♑	5 33
26	7		♑	6 24
27	1	*Easter* Day.	♒	7 15
58	2		♒	8 6
29	3		♒	8 57
30	4		♓	9 48
31	5		♓	10 39

The ii. Month, *April.*

New Moon the 1 day 9 at Night
First Quarter 9 day at 9 Morn.
Full Moon 17 day 9 Morn.
Last Quarter 24 day at 11 Mor.

			☽	☽'s
1	6	Sun ris at 5 30.	♈	11 45
2	7	Sets at 6 30	♈	0 A31
3	1	Day 13 hours.	♉	1 17
4	2		♉	2 3
5	3		♊	2 49
6	4		♊	3 25
7	5		♊	4 21
8	6		♋	5 7
9	7		♋	5 53
10	1		♋	6 39
11	2		♌	7 25
12	3		♌	8 11
13	4		♍	8 57
14	5	Da. 13 h. & half	♍	9 43
15	6		♍	10 29
16	7		♎	11 15
17	1		♎	0 M 6
18	2		♏	0 57
19	3		♏	1 48
20	4		♐	2 39
21	5		♐	3 20
22	6	Sun ris. 5 5.	♑	4 11
23	7	Sets at 6 55	♑	5 2
24	1		♒	5 57
25	2	St. *Mark.*	♒	6 48
26	3		♒	7 39
27	4		♓	8 30
28	5		♓	9 21
29	6	Days 14 hours.	♈	10 12
30	7		♉	11 3

The iii. Month, *May.*

New Moon the 1 day Morn.
First Quar: the 9 day at 3 Morn.
Full Moon 16 day 9 at Night.
Last Quarter the 23 da at 3 Aft.
New Moon the 30 da. 7 at Night.

			☽	☽'s
1	1	*Philip & Jacob.*	♉	0 A 6
2	2		♊	0 52
3	3	Sun ris at 4 55	♊	1 39
4	4	Sets at 7 5'	♋	2 26
5	5	*Ascention* Day.	♋	3 13
6	6		♋	3 58
7	7		♌	4 45
8	1		♌	5 32
9	2		♌	6 19
10	3		♍	7 6
11	4		♍	7 53
12	5		♎	8 40
13	6		♎	9 27
14	7		♎	10 14
15	1	*Penticost.*	♏	11 1
56	2	Da 14 h & half.	♏	11 50
17	3		♏	0 M41
18	4		♐	1 32
19	5		♐	2 23
20	6		♑	3 14
21	7		♑	4 5
22	1		♒	4 56
23	2		♒	5 47
24	3		♓	6 38
25	4	Sun ris at 4 39.	♓	7 29
26	5	Sets at 7 21.	♈	8 20
27	6		♈	9 11
28	7		♉	10 2
29	1		♉	10 53
30	2		♊	11 50
31	3		♊	0 A 40

The iiii. Month, *June.*

First Quarter 7 day 8 at Night.
Full Moon the 15 day at 5 Morn.
Last Quarter 21 day 8 at Night.
New Moon the 29 da. at 8 Mor.

			☽	☽'s
1	4	Sun ris 4 37	♋	1 26
2	5	Sets at 7 23.	♋	2 12
3	6		♌	2 59
4	7		♌	3 40
5	1		♌	4 33
6	2		♍	5 20
7	3		♍	6 17
8	4		♎	7 4
9	5		♎	7 51
10	6		♎	8 38
11	7		♎	9 25
12	1	*Barnabas* longest Day 14 hours 52.	♏	10 12
13	2		♏	11 9
14	3		♐	11 56
15	4		♐	0M20
16	5		♑	1 12
17	6		♑	2 4
18	7		♒	2 56
19	1		♒	3 48
20	2		♓	4 30
21	3		♓	5 32
22	4		♈	6 21
23	5		♈	7 16
24	6	*John Baptist.*	♈	8 8
25	7		♉	9 0
26	1	Sun ris at 4 39.	♉	9 52
27	2	Sets at 7 21,	♊	10 40
28	3		♊	11 36
29	4	St. *Peter.*	♋	0 A15
30	5		♌	1 3

The v. Month, *July.*

First Quarter the 7 day at Noon.
Full Moon the 14 day at 1 Aft.
Last Quar. the 21 day at 3 Morn.
New Moon the 28 day 11 at Ni.

			☽	☽'s
1	6	Sun ris at 4 41	♌	0 51
2	7	Sets at 7 19	♌	1 39
3	1		♍	2 27
4	2		♍	3 15
5	3		♎	4 2
6	4		♎	5 50
7	5		♎	6 38
8	6	Day 14 h. & half	♏	7 26
9	7		♏	8 14
10	1		♐	9 2
11	2		♐	9 44
12	3		♑	10 29
13	4		♑	11 12
14	5		♒	11 56
15	6		♒	0 M47
16	7		♓	1 38
17	1		♓	2 29
18	2		♈	3 10
19	3	Sun ris at 4 52	♈	4 1
20	4	Sets at 7 8	♉	4 52
21	5		♉	5 43
52	6		♊	6 34
23	7		♊	7 25
24	1		♋	8 16
25	2	St. *James*	♋	9 7
26	3	Days 14 hours	♋	9 58
27	4		♋	10 49
28	5		♌	11 36
29	8		♌	0 A24
30	7		♍	1 12
31	1		♍	2 0

The vi. Month, *August.*

First Quar. the 6 day at 1 Morn.
Full Moon the 12 day 10 at Nigh.
Last Quarter 19 day at 10 Mor.
New Moon 27 day at 3 Aft.

			☽	☽'s
1	2	Sun ris at 5 7.	♍	2 48
2	3	Sets at 6 53.	♎	3 36
3	4		♎	4 24
4	5		♏	5 12
5	6		♏	5 0
6	7		♏	6 48
7	1		♏	7 36
8	2		♐	8 24
9	3	Da. 13 h & half.	♐	9 12
10	4		♑	10 0
11	5		♑	11 48
12	6		♑	10 30
13	7		♒	0M25
14	1		♒	1 14
15	2	Sun ris at 5 24	♓	2 3
16	3	Sets at 6 36	♓	2 52
17	4		♈	3 41
18	5		♈	4 30
19	6		♈	5 19
20	7	Days 13 hours.	♉	6 8
21	1		♉	6 57
22	2		♊	7 46
23	3		♊	8 35
24	4	St. *Bartholomew.*	♊	9 24
25	5		♋	10 13
26	6		♋	11 2
27	7		♌	11 54
28	1		♌	0 A43
29	2	*John* beheaded.	♍	1 32
30	3		♎	2 21
31	4	Day 12 h. & half	♎	3 11

The vii. Month, *September*

First Quarter the 4 day at 1 Aft.
Full Moon 11 day at 4 Morning
Last Quarter 18 day at 4 Morn.
New Moon 26 day at 7 Morn.

			☽	☽'s
1	5	Sun ris at 4 45.	♍	4 0
2	6	Sets at 6 15.	♎	4 49
3	7		♎	5 38
4	1		♏	6 27
5	2		♏	7 16
6	3		♏	8 5
7	4		♏	8 54
8	5		♐	9 43
9	6		♐	10 32
10	7		♐	11 31
11	1		♑	0M16
12	2	Day and Night Equal.	♑	1 4
13	3		♒	1 52
14	4		♒	2 40
15	5		♓	3 28
16	6		♓	4 16
17	7		♈	5 4
18	1		♈	5 52
19	2		♉	6 40
20	3		♉	7 28
21	4	Sun ris at 6 10	♌	8 14
22	5	Sets at 5 50	♌	9 0
23	6		♍	9 46
24	7		♍	10 32
25	1	Da 12 h & half.	♎	11 18
26	2		♎	0 A 8
27	3		♎	0 58
28	4		♏	1 48
29	5	*Michael Arch.*	♏	2 38
30	6		♐	3 39

The viii. Month, *October*

First Quarter the 3 day 9 at Nigh.
Full Moon the 10 day at 2 Aft.
Last Quar. 17 day 10 at Night.
New Moon 26 day at 1 Morning

			☽	☽'s
1	7		♐	4 20
2	1	Sun ris at 6 24	♐	5 11
3	2	Sets at 5 36	♑	5 52
4	3		♑	6 43
5	4		♒	7 32
6	5	Day 11 hours	♒	8 31
7	6		♒	9 13
8	7		♓	10 3
9	1		♓	10 57
10	2		♈	11 50
11	3		♈	0 M42
12	4		♉	1 28
13	5		♉	2 14
14	6		♊	3 0
15	7		♊	3 46
16	1		♋	4 32
17	2	Da. 10 h. & half	♋	5 18
18	3	S Luke	♋	6 4
19	4		♋	6 51
20	5		♌	7 38
21	6		♌	8 25
22	7		♍	9 12
23	1		♍	9 59
24	2	Sun ris at 9 54	♎	10 46
25	3	Sets at 5 6	♎	11 33
26	4		♎	0 A20
27	5		♏	1 11
28	6	Simon & Jude	♏	2 2
29	7		♐	3 53
30	1		♐	4 44
31	2	Day 10 hours	♑	5 35

The ix. Month, *November*

First Quarter 2 day at 7 Morn.
Full Moon the 9 day at 3 Morn.
Last Quart the 16 day at 6 Ni.
New Moon the 24 day us 3 Aft.

			☽	☽'s
1	3	Sun ris at 7 2	♒	6 26
2	4	Sets at 4 58	♒	7 17
3	5		♓	8 8
4	6		♓	8 59
5	7		♈	9 50
6	1		♈	10 41
7	2		♉	11 32
8	3		♉	0 M15
9	4		♊	1 1
10	5		♊	1 47
11	6		♋	2 33
12	7		♋	3 19
13	1		♋	4 5
14	2		♌	4 51
15	3		♌	5 37
16	4		♍	6 23
17	5	Day. 9 h. & half	♍	7 10
18	6		♋	7 57
19	7		♋	8 43
20	1		♋	9 30
21	2		♎	10 17
22	3		♎	11 4
23	4	Sun ris 7 21	♐	11 54
24	5	Sets at 4 39	♐	0 A45
25	6		♑	1 36
26	7		♑	2 27
27	1		♑	3 18
28	2		♒	4 9
29	3	St. *Andrew.*	♒	4 40
30	4		♓	5 30

The x. Month, *December.*

First Quarter the 1 da. at 2 Aft
Full Moon the 8 day at 3 After.
Last Quarter the 16 da. at 3 Aft
New Moon the 24 da. at 5 morn.
First Quarter the 30 day

			☽	☽'s
1	5		♓	5 54
2	6		♓	6 43
3	7		♈	7 33
3	1		♈	8 24
5	2		♈	9 15
6	3		♉	10 7
7	3		♉	10 59
8	5		♊	11 50
9	6		♊	0M40
10	7	Shortest Day 9 ho. 8 min.	♊	1 29
11	1		♋	2 16
12	2		♋	3 3
13	3		♋	3 50
14	3		♌	4 37
15	5		♌	5 34
16	6		♍	6 21
17	7		♍	7 8
18	1		♎	6 55
19	2		♎	8 42
20	3		♏	9 39
21	4	St *Thomas.*	♏	10 26
22	5		♏	11 11
23	6		♐	11 50
24	7		♐	0A18
25	1	*Christ Born.*	♑	1 6
26	2	St *Stephen.*	♑	1 54
27	3	St *John.*	♒	2 42
28	4	*Innocents.*	♒	3 30
19	5		♓	4 18
30	6		♈	5 6
31	7		♈	5 54

An Explanation of the five Collumns in the Almanack

The first shews the Dayes of the Month; the second the Days of the Week: The third Collumn shews some Remarkable dayes with Sun rise & setting, & the length of the Days: The fourth shews the Signs set down only in Characters, which are thus to be understood; ♈ Head and Face ♉ Neck and Throat, ♊ Arms and Shoulders, ♋ Breast and Stomach, ♌ Heart and Back, ♍ Bowels and Belly. ♎ Reins and Loins, ♏ Secrets, ♐ Thighs, ♑ Knees, ♒ Legs ♓ Feet. The fifth Collumn shews the time that the Moon comes to the South every Day in the Year, very useful to know, as well the Tides, as the Hour of the Night; as suppose the tenth Day of the fifth Moneth. I would know at what time the Moon comes to the South, I find over against the tenth Day in the fifth Collum 9 2 which shews the Moon is South that Day at two Minutes after nine at Night: And so of the rest:

Of the Eclipses of the Luminareis this Year, 1687.

I find there will be two Eclipses haeppen this Year, and they are both of the Sun. The first will be the 1st day of the 3d Month about 7 in the Morning, and may be sren by us, if Clouds hinder not; I judge it will be a great Eclipse, especially to some people. The last will be October *the 26th, not visible to us.*

Note, that by the observation of a Lunary Eclipse which happened the 11 of the 12 Month 1681. *I found the difference of Meridians between* London *in* England *& Burlington with us to be 5 hours and about 20 minutes, so that it is Noon at* London *5 hours 20 minutes before it is Noon with us: But because some Navigators make the difference more, I desire to be excused, if the Observation were not exactly made, because I had no instruments suitable.*

Of the Courts and Fairs at *Burlington* and *Philadelphia*

The Assembly for the Province of West-Jersey, *are to meet at* Burlington *the 12 day of the 3 Month. The Provincial Courts or Quarter-Sessions are the 12 of the 3 Month, the 8 of the 6 Month, the 3 of the 9 Month, the 20 of the 12 Month. The Fairs are the 10 and 11 of the 3 Month, the 1 & 2 of the 9 Mon.*

In Pennsilvania, *The day of Election to serve in Provincial Council and General Assembly, is the 10 of the 1 Month, and their appearance in 20 days after Election. The general Assembly meets the 10 of the 3 Month; the Provincial Courts at* Philadelphia *are the 10 of the 2 Month, and 24 of the 7 Month. The Fairs at* Philadelphia *are the 16 17 & 18 dayes of the 3 Month, and 16, 17 & 18 dayes of 9 Month*

Short Rules in Husbandry.

Remove young Trees either in the end of October, *in* November, *or else not till* February, *the Moon increasing. In the first month in warm Weather graft The best way of Grafting in this Country is to cut off the Stock even with the Ground, and cover the Joynt with Earth. In the 11 Month trim off superfluous Branches from Fruit Trees. Gather all fruits you mean to keep in a dry time, when Moon is about the full. Geld Cattle when the Sign is in the Head, Thighs or Knees, and the Moon in her last Quarter. But being confined therefore;*

Mend, modest Reader, what thou findst amiss,
But let the Author know what fault it is.
All men have err'd since *Adam* first transgrest.
If I commit no Faults I'm one o' th' best.
But here my Comfort is, though I offend,
I to my Faults can quickly put an END.

To find the Time of High-Water: Observe the time of High-Water at any place on the day of the Moon's change, and add that time to the Moons coming to the South any Day in the Year, and you have it.

Printed and Sold by *William Bradford*, near *Philadelphia* in *Pennsylvania*, *pro Anno* 1687.
There is now in the Press, *The Excellent Privilege of Liberty and Property.* To which is added *A Guide for the Grand and Petty Jury.*